

## Electronic Patent Application Fee Transmittal

|   |   |          |        |                      |
|---|---|----------|--------|----------------------|
| <b>Application Number:</b>                  | 10087660  |          |        |                      |
| <b>Filing Date:</b>                         | 01-Mar-2002   |          |        |                      |
| <b>Title of Invention:</b>                  | NEMATIC LIQUID CRYSTAL DEVICES COMPRISING SURFACE PROTRUSIONS FORMED OF ANISOTROPIC MATERIAL FOR NUCLEATION OF AN ACTIVE REGION |          |        |                      |
| <b>First Named Inventor/Applicant Name:</b> | Michael John Towler   |          |        |                      |
| <b>Filer:</b>                               | Mark D. Saralino/Christine Arndt  |          |        |                      |
| <b>Attorney Docket Number:</b>              | YAMAP0804US   |          |        |                      |
| Filed as Large Entity                       |   |          |        |                      |
| <b>Utility      Filing Fees</b>             |   |          |        |                      |
| Description                                 | Fee Code  | Quantity | Amount | Sub-Total in USD(\$) |
| <b>Basic Filing:</b>                        |   |          |        |                      |
| <b>Pages:</b>                               |   |          |        |                      |
| <b>Claims:</b>                              |   |          |        |                      |
| <b>Miscellaneous-Filing:</b>                |   |          |        |                      |
| <b>Petition:</b>                            |   |          |        |                      |
| <b>Patent-Appeals-and-Interference:</b>     |   |          |        |                      |
| <b>Post-Allowance-and-Post-Issuance:</b>    |   |          |        |                      |
| Utility Appt Issue fee                      | 1501  | 1        | 1400   | 1400                 |
| Publ. Fee- early, voluntary, or normal      | 1504  | 1        | 300    | 300                  |

| Description        | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|--------------------|----------|----------|--------|----------------------|
| Extension-of-Time: |          |          |        |                      |
| Miscellaneous:     |          |          |        |                      |
| Total in USD (\$)  |          |          |        | 1700                 |